



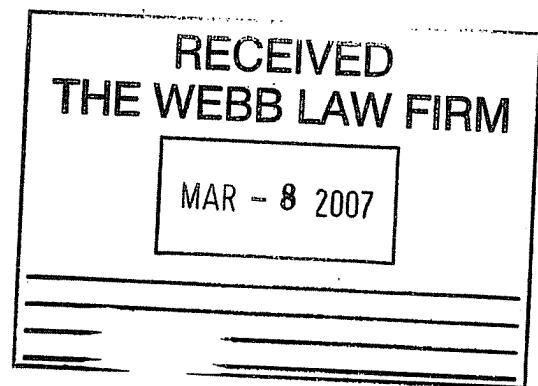
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/540,742	06/24/2005	Shinichi Kawabata	388-051896	2393
28289	7590	03/06/2007	EXAMINER	
THE WEBB LAW FIRM, P.C.			UNDERWOOD, JARREAS C	
700 KOPPERS BUILDING			ART UNIT	PAPER NUMBER
436 SEVENTH AVENUE			2877	
PITTSBURGH, PA 15219				
SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE		DELIVERY MODE	
3 MONTHS	03/06/2007		PAPER	

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.



<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/540,742	KAWABATA ET AL.
	Examiner	Art Unit
	Jarreas C. Underwood	2877

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on 24 June 2005.  
 2a) This action is FINAL.                    2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 1-15 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) 5-13 is/are allowed.  
 6) Claim(s) 1-4, 14 and 15 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on 24 June 2005 is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) Notice of References Cited (PTO-892)  
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  
 3) Information Disclosure Statement(s) (PTO/SB/08)  
 Paper No(s)/Mail Date 2/28/2006                    

4) Interview Summary (PTO-413)  
 Paper No(s)/Mail Date. \_\_\_\_\_.  
 5) Notice of Informal Patent Application  
 6) Other: \_\_\_\_\_



• FEB 28 2006

Please type a plus sign (+) inside this box →

PTO/SB/08A (08-00)

Approved for use through 10/31/2001. OMB 0651-0031

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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 Of 1

Complete if Known

Application Number	10/540,742
Filing Date	June 24, 2005
First Named Inventor	Shinichi Kawataba
Group Art Unit	2877
Examiner Name	Not Yet Assigned
Attorney Docket Number	0388-051896

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup>			
JU		4,828,387		Sawyers et al.	05-09-1989	

### FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sub>6</sub>
		Office <sup>3</sup>	Number <sup>4</sup>				
JU		JP 2002-107294	A	Kubota Corp.	04-10-2002	English Trans Only	
		JP 2002-077522	A	Casio Comput Co. Ltd.	03-15-2002	English Trans Only	
		JP 10-62337	A	Sumitomo Metal Mining	03-06-1998	English Trans Only	
		JP 63-81226	A	Ares-Serono R&D	04-12-1998	US 4,828,387 equiv.	
		JP 2000-162047	A	Komatsu Ltd.	06-16-2000	English Trans Only	
		JP 2002-181701	A	Saika Technological Institute Foundation	06-26-2002	English Trans Only	
		JP 2002-168772	A	Kubota Corp.	06-14-2002	English Trans Only	
		JP 2002-174592	A	Kubota Corp.	06-21-2002	English Trans Only	
		JP 8-29333	A	Kubota Corp.	02-02-1996	English Trans Only	
		JP 2002-107303	A	Kubota Corp.	04-10-2002	English Trans Only	
		JP 2000-199743	A	Mitsui Mining & Smelting	07-18-2000	English Trans Only	
		JP 7-063674	A	Wakayama Pref. et al.	03-10-1995	English Trans Only	
		JP 2002-090301	A	Kubota Corp.	03-27-2002	English Trans Attached	
		JP 08-005550		Kubota Corp.	01-12-1996	English Trans Attached	
JU		JP 05-045212		Juki Corp.	02-23-1993	English Trans Attached	

Examiner Signature	/Jarreas Underwood/	Date Considered	03/01/2007
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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